

Abstract of the Disclosure

The present invention aims to provide a lightweight tire without decreasing durability and to reduce rolling resistance and improve steering stability of the tire. Specifically, the present invention relates to a rubber composition for a tire comprising 20 to 120 parts by weight of an inorganic filler, and 5 to 70 parts by weight of polyethylene powder, based on 100 parts by weight of diene rubber; the tire being prepared by kneading at 140°C at most. The particle size of the polyethylene powder is preferably at most 500  $\mu\text{m}$ .